

October 30, 2009

ALLPHASE COMPANY INCORPORATED
LANDFILL REMEDIATION TRUST
DEBBIE SMITH AND DAVID JENKINS
404-A ST. CROIX TRAIL NORTH
LAKELAND MN 55043

Re: Description: WATER TREATMENT DEVICE- ACTIVATED CARBON
Manufacturer: ALLPHASE COMPANY INCORPORATED
Product Name: VOC FILTERS (POE)
Model Number(s): JL-100 AND JL-300 (POE)
Product File No: 20090342

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of October 2014.

This approval supersedes the approval issued on May 24, 2007 under product file number 20002017.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

Based on testing data submitted to and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

TABLE 1 OF 2
PRODUCT FILE NUMBER 20002017
N-L 100 ORGANIC CHEMICAL REDUCTION CAPABILITIES

Flow Rate: 22.7 liters per minute (lpm) [6.0 gallons per minute (gpm)]
Capacity: 483,094 liters (l) [127,620 gallons (gals.)]

Tested Contaminants	Influent Challenge Concentration (µg/l) ¹	Max. Permissible Effluent Concentration (µg/l) ¹
1,1,1-trichloroethane	15.8	200
Trichloroethylene	11.5	5.0

Other conditions: The contaminant reduction capabilities displayed in Table 1 of 2 were generated by testing conducted under actual field end use conditions in the Town of Hudson, St. Croix County, WI. The concentrations of the tested contaminants were below detectable limits in all effluent samples tested.

1 = micrograms per liter (µg/l) are equivalent to parts per billion (ppb) µg/l = micrograms per liter

TABLE 2 OF 2
PRODUCT FILE NUMBER 20002017
N-L 300 ORGANIC CHEMICAL REDUCTION CAPABILITIES

Flow Rate: 22.7 liters per minute (lpm) [6.0 gallons per minute (gpm)]
Capacity: 223,339 liters (l) [59,000 gallons (gals.)]

Tested Contaminants	Influent Challenge Concentration (µg/l) ¹	Max. Permissible Effluent Concentration (µg/l) ¹
1,1-dichloroethene	5.7	7.0
1,1,1-trichloroethane	51.2	200
Tetrachloroethene	2.5	5.0
Trichloroethylene	33.3	5.0

Other conditions: The contaminant reduction capabilities displayed in Table 2 of 2 were generated by testing conducted under actual field end use conditions in the Town of Hudson, St. Croix County, WI. The concentrations of the tested contaminants were below detectable limits in all effluent samples tested.

1 = micrograms per liter (µg/l) are equivalent to parts per billion (ppb) µg/l = micrograms per liter

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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GWS:gws